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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/937,344	02/14/2002	Egon Schulz	449122010700 7966	
25227 7:	590 08/12/2005		EXAMINER	
MORRISON & FOERSTER LLP			MILLER, BRANDON J	
1650 TYSONS SUITE 300	BOULEVARD		ART UNIT	PAPER NUMBER
MCLEAN, VA	A 22102		2683	
			DATE MAILED: 08/12/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	09/937,344	SCHULZ, EGON				
Office Action Summary	Examiner	Art Unit				
	Brandon J. Miller	2683				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on 19 Ju	<u>ıly 2005</u> .					
2a) ☐ This action is FINAL . 2b) ☑ This	This action is FINAL . 2b)⊠ This action is non-final.					
\cdot	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
 4) Claim(s) 1-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) 1-8 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or 						
Application Papers						
9)☐ The specification is objected to by the Examiner	r.					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the o	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).				
Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11.						
Priority.under 35 U.S.C. § 119						
a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority documents application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Applicati ity documents have been receive (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)	_	*				
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		ate : Patent Application (PTO-152)				

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DETAILED ACTION

Response to Amendment

Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gorsuch in view of Jamal.

Regarding claim 1 Gorsuch teaches a method for assigning channels for radio transmission between a subscriber station and a base station of a radio communications system (see abstract, col. 3, lines 62-67 and col. 4, lines 1-6 & 55-59). Gorsuch teaches assigning a number of channel resources to the subscriber station for one transmission direction via a channel resource assignor that transmits the information to the subscriber station (see col. 7, lines 34-42). Gorsuch teaches channel resources in each having at least one of different spread-spectrum codes, different code groups, different frequencies, and different mid-ambles (see col. 5, lines 26-33 and col. 6, lines 1-5 & 8-14). Gorsuch teaches channel information that includes information about utilization of the channel resources during the radio transmission, which specifies the order of the transmission of data for the one transmission direction (see col. 4, lines 7-25, col. 8, lines 35-45 and col. 10, lines 9-19). Gorsuch does not specifically teach a common channel description.

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Jamal teaches a common channel description transmitted to a subscriber station (see col. 7, lines 41-50). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the channel resource assignor in Gorsuch adapt to include transmitting a common channel description because the channel resource assignor transmits channel assignment information to multiple subscriber stations and it would allow for efficient resource allocation in a radio communications system, that compensates for expansion and contraction of data traffic loading.

Regarding claim 2 Gorsuch teaches utilization of channel resources that is specified by the order of the information on each of the channel resources within the channel description (see col. 9, lines 21-30).

Regarding claim 3 Jamal teaches utilization of channel resources specified by information relating to at least one of timeslots assigned, to spread-spectrum codes, and to assigned frequencies (see col. 3, lines 10-13).

Regarding claim 4 Gorsuch and Jamal teach a device as recited in claim 1 except for sending a coherent channel description as a message from the base station to the subscriber station, wherein an uplink and downlink channel are described one after another. Gorsuch does teach sending coherent channel assignment information from the base station to the subscriber station, wherein an uplink channel and a downlink channel are described one after the other (see col. 7, lines 40-46). Jamal does teach a coherent channel description as a message (see col. 8, lines 10-16 & 22-24). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include sending a coherent channel description as a message from the base station to the subscriber station, wherein an uplink and downlink channel are

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described one after another because this would allow for efficient resource allocation in a radio communications system, that compensates for expansion and contraction of data traffic loading.

Regarding claim 5 Gorsuch and Jamal teach a device as recited in claim 1 except for sending an uplink channel and a downlink channel as separate messages from the base station to the subscriber station. Gorsuch does teach sending an uplink channel and a downlink channel as separate communications from the base station to the subscriber station (see col. 5, lines 26-33). Jamal does teach sending an uplink and a downlink channel as separate message (see col. 3, lines 32-37). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the device adapt to include sending an uplink channel and a downlink channel as separate messages from the base station to the subscriber station because this would allow for efficient resource allocation in a radio communications system, that compensates for expansion and contraction of data traffic loading.

Regarding claim 6 Gorsuch and Shaheen teach a device as recited in claim 1 except for sending an uplink channel and a downlink channel in a common channel description as a message, a flag indicating parts of the description which relate to the uplink channel and to the downlink channel. Gorsuch does teach sending an uplink and a downlink channel description (see col. 7, lines 40-46). Jamal does teach sending a common channel description, indicating parts of the description that relate to the identity of an allocated resource (see col. 6, lines 51-57 & 63-65). Kolev teaches a channel description that includes identifiers indicating parts of the channel description (see pg. 12, 2nd & 3rd paragraphs). It would have been obvious to one of ordinary skill in the art at the

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time the invention was made to make the device adapt to include sending an uplink channel and a downlink channel in a common channel description as a message, a flag indicating parts of the description which relate to the uplink channel and to the downlink channel because this would allow for improved signaling protocols in a mobile communication signal.

Regarding claim 7 Gorsuch teaches wherein a case where one channel is changed, the description of this channel is sent (see col. 7, lines 41-46).

Regarding claim 8 Gorsuch teaches a base station for a radio communications system (see col. 4, lines 55-59). Gorsuch teaches a facility to assign channels for a radio transmission with a subscriber station for one transmission direction (see col. 7, lines 34-42). Gorsuch teaches wherein the facility transmits channel assignment information to the subscriber station for assigning a number of channel resources for the radio transmission (see col. 7, lines 34-42). Gorsuch teaches the channel resources having at least one of different spread-spectrum codes, different code groups, different frequencies and different mid-ambles (see col. 5, lines 26-33 and col. 6, lines 1-5 & 8-14). Gorsuch teaches the facility generating the channel information includes information about utilization of the channel resources during the radio transmission, which specifies the order of transmission of data for the one transmission direction (see col. 4, lines 7-25, col. 8, lines 35-45 and col. 10, lines 9-19). Gorsuch does not specifically teach a common channel description. Jamal teaches a common channel description transmitted to a subscriber station (see col. 7, lines 41-50). It would have been obvious to one of ordinary skill in the art at the time the invention was made to make the channel resource assignor in Gorsuch adapt to include transmitting a common channel description because the

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channel resource assignor transmits channel assignment information to multiple subscriber stations and it would allow for efficient resource allocation in a radio communications system, that compensates for expansion and contraction of data traffic loading.

Response to Arguments

Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Spartz et al. U.S Patent No. 5,878,036 discloses wireless telecommunications system utilizing CDMA radio frequency signal modulation in conjunction with the GSM A-interface telecommunications network protocol.

Hogberg et al. U.S. Patent No. 6,377,540 discloses a method and apparatus for managing resource allocation conflicts in a communications systems.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brandon J. Miller whose telephone number is 571-272-7869. The examiner can normally be reached on Mon.-Fri. 8:00 am to 5:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 571-272-7872. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Center (EBC) at §66-217-9197 (toll-free).

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August 5, 2005

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